

ISO 9001:2008, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario

a Division of SIVACO Wire Group L.P.

330 Thomas Street PO Box 220 Ingersoll, Ontario CANADA N5C 3K5

(519) 485-4150 Fax (519) 485-3039

Physical Test Report

WORK ORDER **072927**

HEAT NUMBER **A07870**

SALES ORDER / RLS 045600 / 4 CERT ID / REV 00033269 / 01

SOLD TO

G & R Forging 7072 Smith Industrial Drive McGregor, ON N0R 1J0 Canada

CUSTOMER P.O. CUSTOMER PART 13.50-1018					QUANTITY COILS LADING NO 8,308 lbs 4 00051659				SHIPMENT DATE 03/20/2012		
SPECIFICATION PIQ1018135-16 13.50mm (0.5310") 1018 IQ, Clean/Coat, Clean/Lime, G&R Cold Forging, 7213.91.6000 Hot Rolled Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60%											
CUSTOMER RE	QUIREMEN	TS									
				Chemical	(value of 9) = n/a)					
C .1600	Mn .6900	.0100		si .2000	Cu .1800	Ni .0700	Cr .1000	Mo .0210	Sn .0090	Al .0040	
.0000	v .0000	.0081									
				Mechan	ical - Tag [Detail					
648633-3A 648633-3B 648633-4A 648633-4B		DIAS .537 .537 .530 .530	UTSs 71523 71523 72529 72529	End of	Certification						

I attest that the results are a true and correct copy of the records prepared and maintained by SIVACO Ontario in compliance with the requirements of the cited specification. Chemistry is as reported by the rod / bar supplier. This test report cannot be reproduced or distributed, except in full, without the written permission of SIVACO Ontario.

Authorized by: Gary Allard, QA Manager